

SITE SCREENING ASSESSMENT

**Prepared by: Rafiq Ahmed
California Department of Toxic Substances Control
Cooperative Agreement Number: V-00T62401-0
DTSC Fiscal Year: 2011-2012**

**Prepared for: Leslie Ramirez
United States Environmental Protection Agency
Region 9
States, Planning, and Assessment Office
San Francisco, California**

Date: May 31, 2012

**Site Name: St. Hart Container/Amcor, Inc.
City: Fullerton
County: Orange
EPA ID Number: CAD983662008
CADTSC Envirostor ID Number: 71003238
DTSC Regional Office: Cypress**



EXECUTIVE SUMMARY

Site Name:	St. Hart Container / Amcor Inc.		
EPA ID Number:	CAD983662008/CAL000043359		
Envirostor ID:	71003238		
Site Screen	YES: <input checked="" type="checkbox"/>	NO: <input type="checkbox"/>	
Site Reassessment	YES: <input type="checkbox"/>	NO: <input checked="" type="checkbox"/>	

Findings and Recommendation :

Pre-Triage Recommendation			
Refer to:			
<input type="checkbox"/> EPA	<input checked="" type="checkbox"/> CADTSC	<input type="checkbox"/> CARWQCB	<input type="checkbox"/> Local Agency
FORWARD TO TRIAGE:		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Post-Triage Recommendation			
Refer to:			
<input type="checkbox"/> EPA	<input checked="" type="checkbox"/> CADTSC	<input type="checkbox"/> CARWQCB	<input type="checkbox"/> Local Agency

Final Signatures and Concurrence:

DTSC Screener:	 <hr/>	Rafiq Ahmed Type Name	5/31/2012 <hr/>
DTSC Approval:	 <hr/> Signature	Alice Gimeno-O'Brien Type Name	6/25/2012 <hr/> Date: (MM/DD/YYYY)
EPA Concurrence:	<hr/> <hr/> Signature	Leslie Ramirez Type Name	<hr/> <hr/> Date: (MM/DD/YYYY)

SITE SCREENING ASSESSMENT (SSA)

Site Screening: ☒

Site Reassessment: ☐

Section 1: Site Information

1.1: Site Name: St. Hart Container/Amcor Inc.

Other Names: St. Hart Container Co, MPP Fullerton, Sunclipse, Inc.

1.2: Origin of Site under assessment:

Discovery Project/Name: North Orange County Site Discovery Project

or

Referral from other Agency/Name:

or

Complaint/ Name:

or

In CERCLIS (for Reassessments):

1.3: Site Location Information

Street Address: 1901 E. Rosslynn Avenue

City: Fullerton

County: Orange

State: California

Zip Code: 92831

Latitude: 33.864411

Longitude: -117.894073

Acres: +/- 4 acre

1.4 Regulatory Information:

CERCLIS? No

RCRA site? No

SLIC site? No

LUFT site? No

UST site? No

WIP site? No

Landfill site? No

Local Agency site? Yes

Envirostor ID: 71003238

EPA ID: CAD983662008

Geotracker ID: None

Geotracker Case Number: None

Is the contamination petroleum-related only? Unknown

Section 2: Operational History

Current owner: SVF California Rosslynn LLC (Rensselaer J. Smith)

Current operator: Amcor, Inc. / St. Hart Container (Allan Hornick/Division Manager)

Hazardous materials used: solvents, Ink, Paint,

Dates of operation: August 2005 - current

Historical owners/operators that may have used Hazardous Materials onsite:

Specify dates and materials that may have been used:

Owner: Columbia CA Rosslynn INDL LLC

Operator: Amcor, Inc. / St. Hart Container/MPP Fullerton/Allan Hornick/Division Manager

Hazardous materials used: solvents, Ink, Paint,

Hazardous materials suspected: Tetrachloroethylene (PCE)

Dates of operation: 9/2004 – 8/2005

Owners: Amcor Sunclipse North America

Operators: Amcor, Inc. / St. Hart Container (Allan Hornick / Jeanne Lincoln / John Graber)

Hazardous materials used: Solvent, Ink, Paint

Hazardous materials suspected: Tetrachloroethylene (PCE)

Dates of operation: 05/1990 – 8/2004

Owners: St. Hart Water Treatment Plant / St. Hart Container

Operators: St. Hart Container / Mike McColl

Hazardous materials used: Diesel

Hazardous materials suspected: None

Dates of operation: 8/18/88 – 05/03/1990

Owners: Unknown before 1988

Operators: Unknown before 1988

Hazardous materials used: Unknown before 1988

Hazardous materials suspected: Unknown before 1988

Dates of operation: Unknown before 1988

Section 3: Site Impact Information

What is the site setting: Urban

Details: The St. Hart Container/Amcor, Inc. facility (site) is located at 1901 East Rosslynn Avenue, Fullerton, California in the north central portion of Orange County, north of the 91 Freeway. The northern half of the building at the site is occupied by St. Hart Container / Amcor, Inc. and southern the half is occupied by Corru-Kraft IV. The site is situated in a relatively flat region.

Land use surrounding the site: Industrial

Details: The site is bordered by other industrial and commercial facilities to the north, east and west, and railroad tracks to the south.

Are there residences within 200 feet: No

Details: Single-family residences are located to the north, just across East Walnut Avenue.

Are there schools/day care centers within 200 feet: No

Details: A few schools are about 0.4 miles to the north of the site.

Surface water within 2 miles of the site? Yes

Details: The Santa Ana River is the principal surface drainage for this part of Orange County and flows southward towards the Pacific Ocean. Carbon Creek is located approximately one-half mile south of the site. A drainage channel is located to the south of the site.

Are there any sensitive environments or wetlands within 2 miles of site: No

Details:

Is this site a source of contamination to surface water? No

Details:

Is surface water used for drinking water within 15 miles of the site? Yes

If yes, is the surface water used for public / commercial supply: Yes

If yes, is the surface water used for private supply: Yes

If yes, approximately how many people served by the surface water: 33,500

Details: The City of Fullerton water system serves water to approximately 134,000 people through 31,000 residential, commercial and industrial service connections. Approximately 75 percent of the City's water supply is provided by 11 groundwater wells. The City also has 6 imported water connections that help supplement the City's water demands. Municipal Water District (MWD)'s imported water primarily originates from the Colorado River, and the State Water Project from northern California.

Is groundwater used for drinking water within 4 miles of site? Yes

If yes, are the drinking wells public / commercial: Yes or private No

If yes approximately how many people served by the ground water: 100,500

Details: The City of Fullerton water system serves water to approximately 134,000 people through 31,000 residential, commercial and industrial service connections. Approximately 75 percent of the City's water supply is provided by 11 groundwater wells. There are four municipal groundwater wells in the site vicinity (within approximately 1-mile radius). According to OCWD, two municipal groundwater wells are located within 500 feet of the site.

Is groundwater within 4 miles of the site known to be contaminated with hazardous substances Yes

If yes, what hazardous substances: Volatile organic compounds (VOCs), primarily TCE has been found in concentrations ranging from 11 micrograms per liter ($\mu\text{g/l}$) to 150 $\mu\text{g/l}$ in the Fullerton area groundwater. PCE has been found in concentrations ranging from 2.8 $\mu\text{g/l}$ to 35 $\mu\text{g/l}$. Other VOCs and hexavalent chromium, have also been found sporadically at very low concentrations.

If yes, do any of the levels exceed drinking water standards? Yes

Details: According to USEPA, the maximum allowable concentration of PCE and TCE in drinking water is 5 $\mu\text{g/l}$. However, in groundwater for the Fullerton area, the concentrations of PCE range from 2.8 $\mu\text{g/l}$ to 35 $\mu\text{g/l}$ and concentrations of TCE range from 11 $\mu\text{g/l}$ to 150 $\mu\text{g/l}$.

Is this site a source of ground water contamination? Suspected

Details: Groundwater contamination has been detected in the nearby area, and records show that the Amcor/St. Hart Container site generated hazardous waste solvents of the same type or similar to the types found in local groundwater contamination.

Any Community Involvement? No

Details:

Site Reconnaissance

1. **Date of visit:** 10/06/2011

2. **Adjacent properties:** The site is neighbored by other industrial and commercial facilities to the east and west, and railroad tracks to the south.

North Office Furniture Rental

South Corru-Kraft IV, Railroad tracks and Kimberly Avenue

East College Business Park

West Parking lot and Metalclad Insulation Corporation

3. **Structures onsite (e.g. Office Bldg, Paint Booth, Repair Shop etc.):** The building at the site is occupied by St. Hart Container/Amcor, Inc. and Corru-Kraft IV. St. Hart Container/Amcor Inc. occupies the northern half of the building.

4. **Any visual staining:** Unknown

5. **Any hazardous Materials storage onsite:** According to Orange County Inspection Reports, waste oil, waste ink sludge, universal waste (fluorescent tubes, aerosols and batteries), is stored onsite.

6. **Specify any hazardous Materials used onsite:** St. Hart Container/Amcor, Inc. prints images on linerboard using printing presses. Approximately 60% of the ink used at the site is Starflex GCM1 90 Black SF090 manufactured by INX Internal Ink Corporation. The site operates a wastewater treatment system to treat dilute waste streams generated during production processes. Wastewater is generated during cleaning of the printing presses to remove coating and ink buildup. The wastewater treatment system is located in the southwestern portion of the production building and is the only fixed treatment unit at the site. The system treats wastewater containing metals prior to discharge to the sanitary sewer system. The wastewater treatment system consists of a trenching system, a wastewater influent sump, a surge tank, a conditioning tank, a flocculent mixing tank, a solid separator tank, three stage clarifier, solid collection mixture tank and a filter press. The system treats waste ink/water by adding flocculent to generate filter cake.

7. **Indicate if following are present onsite, specify volume, content and how many:**

- a) **Drums:** Yes, 12-15, 55 Gallon plastic and metal drums containing oil waste and used oil, waste ink sludge, universal waste (fluorescent tubes, non-empty aerosol cans, batteries) and dioxin / PCB ballast
- b) **ASTs:** Yes, 13, 50 to 10,000 gallon Tanks containing non-hazardous solvents
- c) **USTs:** No
- d) **Clarifiers:** Yes, One three stage clarifier
- e) **Other:** Yes, 34 Roll-off Bins containing non-hazardous filter cake.

8. **Any transformers containing PCBs?** No

Any previous sampling results: Yes, In the Closure Report for Fixed Treatment Unit (December 2000) soil sampled at a depth of 2 feet below ground surface (bgs) detected cobalt at 87.8 mg/kg which was slightly above its background level. However, at 5 feet bgs,

its concentration was found below background level.

Section 4: Recommendations/Conclusions

Does the site pose an immediate threat and require Removal? No

Have there been any historical releases at the site: Unknown

Based on the site reconnaissance and/or regulatory search is there a potential for a release at the site? Yes

DTSC's recommendations/conclusions: Sampling was limited to only three locations at 5 feet and 15 feet below ground surface (bgs) and was located outside the facility building away from the operations area. Sampling included both soil vapor sampling and soil matrix sampling using methanol and sodium bisulfate preservation. The probability of finding contaminants of concern was low because of the limited nature of the sampling.

Soil gas sampling at the site did not detect significant concentrations of VOC's. PCE was detected in 4 of the 7 soil gas samples at concentrations ranging from 0.12 µg/l (SG1-15) to 0.32 µg/l (SG3-DUP). No other VOC analytes were detected above reporting limits in any of the soil gas samples.

The very low concentrations in the upper 15 feet may be coming from deeper VOC impacted groundwater. The groundwater is impacted regionally in proximity to the site.

St. Hart Container/Amcor, Inc. has been recalcitrant in responding to DTSC's information request letter and additional follow-up requests. DTSC recommends further site investigation involving review of the requested technical information when it is obtained.

Summary

The St. Hart Container/Amcor, Inc. facility (site) is located at 1901 East Rosslynn Avenue in City of Fullerton, California in the north central portion of Orange County, north of the 91 Freeway. The site is neighbored by other industrial and commercial facilities to the east and west, and railroad tracks to the south.

St. Hart Container/Amcor, Inc. prints images on linerboard using printing presses. Approximately 60% of the ink used at the site is Starflex GCMI 90 Black SF090 manufactured by INX Internal Ink Corporation. St. Hart Container, one of Southern California's largest manufacturers of custom corrugated packaging, has provided a wide variety of packaging including POP displays, regular slotted boxes and specialty die cut boxes, to customers all over California, the Southwest, and Mexico.

The site operates a wastewater treatment system to treat dilute aqueous waste streams generated during production processes. Wastewater is generated during cleaning of the printing presses to remove coating and ink buildup. The wastewater treatment system consists of a trenching system, a wastewater influent sump, a surge tank, a conditioning tank, a flocculent mixing tank, a solid separator tank, three stage clarifier, solid collection mixture tank and a filter press.

Analysis of a sample of untreated Influent Wastewater sample collected on September 7, 2000, detected VOC including dichlorodifluoromethane, 1,2-dichlorobenzene, benzene, toluene, ethylbenzene, para/meta xylenes, and ortho xylenes at concentrations ranging from 0.75 µg/l to 41 µg/l.

The soil sample collected on December 1, 2000, from boring (JB-5) in the wastewater treatment system area at a depth of approximately two feet below ground surface (bgs) contained a concentration of cobalt at 87.8 mg/kg which was slightly above the typical background levels. However, a sample collected at approximately five feet bgs contained a detectable concentration of cobalt but the concentration was below background level.

On April 20, 2012 DTSC's consultant AMEC collected soil and soil gas samples from three bore locations outside the building. Lab results show that low concentrations of PCE ranging from 0.12µg/l to 0.32µg/l are present in 4 of the 7 soil gas samples.

St. Hart Container/Amcor, Inc. has been recalcitrant in responding to DTSC's information request letter and additional follow-up requests. DTSC recommends further site investigation involving review of the requested technical information when it is obtained.

Attachment A

SITE SCREENING ASSESSMENT CONTACT REPORT

Site Name: St. Hart Container/Amcor Inc.

Site Screener: Rafiq Ahmed

Contact Name	Affiliation	Telephone Number	Date	Discussion
Catherine Arrasmith	Orange County Health care Agency (OCHCA)	714-433-6029	08/29/11	Letter for Orange County Record Review.
Paul Shelter	Amcor Inc/St. Hart Container	714-562-6042	09/13/11	Letter for Request for Information/Site Access for Soil Sampling at the site.
Dave Mark	Orange County Water District (OCWD)	714-378-3337	9/26/11	E-mail/requesting info/docs, if any.
Paul Shelter	Amcor Inc/St. Hart Container	714-562-6042	12/1/11	Letter Re-requesting Info and site access for soil gas sampling at the site.
Paul Shelter	Amcor Inc/St. Hart Container	714-562-6042	2/9/12	Letter re-requesting site information

Attachment B

SITE EVALUATION MAP AND BACKUP COVER PAGE

Attachment C**SITE SCREENING ASSESSMENT ATTACHMENT INDEX****Site Name:** St. Hart Container/Amtcor, Inc.**Site Screener:** Rafiq Ahmed

Attachment #	Document Title	Date	Details of Attachment
Attachment #1	EnviroStor Location Map	05/30/2012	Site Location Map generated from EnviroStor
Attachment #2	Figure 2	12/2000	Site Map
Attachment #3	Site Photos	10/06/2011	Photos taken during the site visit
Attachment #4	Soil Gas and Soil Matrix Sampling Summary, Fullerton, California Study Area	06/12/2012	Soil Gas and Soil Matrix Sampling Report for Site Screening Sites in Fullerton, California

Attachment D

SITE TYPE – PRIMARY/SECONDARY ACTIVITY FORM

Fed Fac Indicator: ☐ Federal Facility ☒ Not A Federal Facility ☐ Status Undetermined

RCRA Status: ☐ Generator ☐ TSDF ☐ Transporter ☒ Not listed in RCRIS

SITE TYPES (Designate one dominant primary category (PC). Designate all secondary subcategories (SS) that apply.) Site type designations for both primary & secondary should pertain to the operation(s) on site of environmental consequence.

P	S	Manufacturing/Processing/Maintenance
C	S	(Subcategory)
<input type="checkbox"/>	<input type="checkbox"/>	Chemicals and allied products
<input type="checkbox"/>	<input type="checkbox"/>	Coal gasification
<input type="checkbox"/>	<input type="checkbox"/>	Coke production
<input type="checkbox"/>	<input type="checkbox"/>	Electric power generation and distribution
<input type="checkbox"/>	<input type="checkbox"/>	Electronic/electrical equipment
<input type="checkbox"/>	<input type="checkbox"/>	Fabrics/textiles
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lumber and wood products/pulp and paper
<input type="checkbox"/>	<input type="checkbox"/>	Lumber and wood products/wood preserving/treatment
<input type="checkbox"/>	<input type="checkbox"/>	Metal fabrication/finishing/coating and allied industries
<input type="checkbox"/>	<input type="checkbox"/>	Oil and gas
<input type="checkbox"/>	<input type="checkbox"/>	Ordnance production
<input type="checkbox"/>	<input type="checkbox"/>	Plastics and rubber products
<input type="checkbox"/>	<input type="checkbox"/>	Primary metals/minerals processing
<input type="checkbox"/>	<input type="checkbox"/>	Radioactive products
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Tanneries
<input type="checkbox"/>	<input type="checkbox"/>	Trucks/ships/trains/aircraft and related components
P	S	Waste Management
C	S	(Subcategory)
<input type="checkbox"/>	<input type="checkbox"/>	Radioactive waste treatment, storage, disposal
<input type="checkbox"/>	<input type="checkbox"/>	Municipal solid waste landfill
<input type="checkbox"/>	<input type="checkbox"/>	Mine tailings disposal
<input type="checkbox"/>	<input type="checkbox"/>	Industrial waste landfill
<input type="checkbox"/>	<input type="checkbox"/>	Industrial waste facility (non generator)
<input type="checkbox"/>	<input type="checkbox"/>	Illegal disposal/open dump
<input type="checkbox"/>	<input type="checkbox"/>	Co-disposal landfill (municipal and industrial)

P	S	Other
C	S	(Subcategory)
<input type="checkbox"/>	<input type="checkbox"/>	Agricultural
<input type="checkbox"/>	<input type="checkbox"/>	Contaminated sediment site with no identifiable source
<input type="checkbox"/>	<input type="checkbox"/>	Dust control
<input type="checkbox"/>	<input type="checkbox"/>	Ground water plume site with no identifiable source
<input type="checkbox"/>	<input type="checkbox"/>	Military/other ordinance
<input type="checkbox"/>	<input type="checkbox"/>	Product storage/distribution
<input type="checkbox"/>	<input type="checkbox"/>	Research, development, and testing facility
<input type="checkbox"/>	<input type="checkbox"/>	Retail/commercial
<input type="checkbox"/>	<input type="checkbox"/>	Spill or other one time event
<input type="checkbox"/>	<input type="checkbox"/>	Transportation (e.g. railroad yards, airports, barge docking site)
<input type="checkbox"/>	<input type="checkbox"/>	Treatment works/septic tanks/other sewage treatment
P	S	Mining
C	S	(Subcategory)
<input type="checkbox"/>	<input type="checkbox"/>	Coal
<input type="checkbox"/>	<input type="checkbox"/>	Metals
<input type="checkbox"/>	<input type="checkbox"/>	Non-metals minerals
<input type="checkbox"/>	<input type="checkbox"/>	Oil and gas
P	S	Recycling
C	S	(Subcategory)
<input type="checkbox"/>	<input type="checkbox"/>	Automobiles/tires
<input type="checkbox"/>	<input type="checkbox"/>	Batteries/scrap metals/secondary smelting/precious metal recovery
<input type="checkbox"/>	<input type="checkbox"/>	Chemicals/chemicals waste (e.g. solvent recovery)
<input type="checkbox"/>	<input type="checkbox"/>	Drums/tanks
<input type="checkbox"/>	<input type="checkbox"/>	Waste/used oil

SITE TYPES (Designate one dominant primary category (PC). Designate all secondary subcategories (SS) that apply.)

Attachment E

SITE SCREENING ASSESSMENT SAMPLING EVENT SUMMARY TABLE

St. Hart Container

Rafiq Ahmed

Site

Screeners:

Date	Event	Media	Location	Depth	Method	Quality	Result	Benchmark
12/01/2000	Closure Report for Fixed Treatment Unit (Limited Subsurface Soil Investigation)	Soil	Wastewater Influent Sump JB-1, JB-2, JB-3, JB-4, JB-5, JB-6	2 feet 5 feet beneath the base of the Sump Below ground surface (bgs)	6010B	Good (QA/QC Data available)	Detected Total arsenic, Chromium, lead, nickel, etc at background levels. However, Cobalt was detected in JB-5 at 2 feet bgs at concentration of 87.8 mg/kg	<u>Regional Screening Levels</u> Cobalt: 300 mg/kg
9/07/2000	Analysis of Influent Wastewater	Waste-water	Influent Wastewater	Not Applicable	5030A	Good (QA/QC Data available)	VOCs including dichlorodifluoromethane, 1,2-dichlorobenzene, benzene, toluene, ethylbenzene, para/meta xylenes, and ortho xylenes at concentrations ranging from 0.75 µg/l to 41 µg/l were detected	<u>California Human Health Screening Level</u> (CHHSL) for industrial soil vapors TCE: 1.8ug/l PCE: 0.6ug/l

Attachment E

SITE SCREENING ASSESSMENT SAMPLING EVENT SUMMARY TABLE

St. Hart Container

Site

Rafiq Ahmed

Screeners:

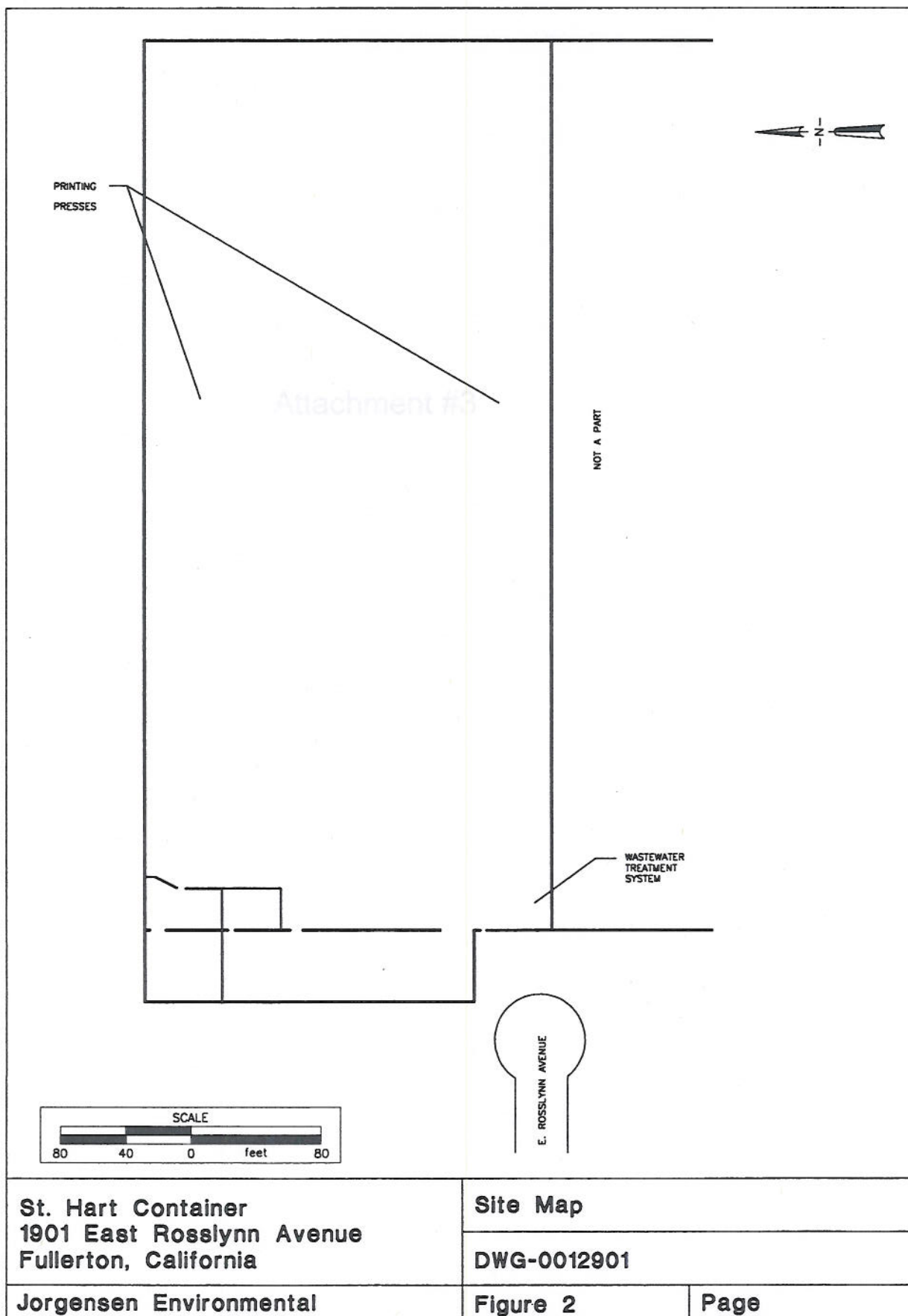
Date	Event	Media	Location	Depth	Method	Quality	Result	Benchmark
04/20/2012	Fullerton Site Screening Assessments	Soil	SG-1 SG-2 SG-3	5 - 15 feet bgs	8260B	Good (QA/QC Data available)	<p>Benzene = 7.2 - 11 µg/kg</p> <p>Ethylbenzene = 11 µg/kg</p> <p>Toluene = 8.6 - 12 µg/kg</p>	<p><u>Regional Screening Levels</u></p> <p>TCE: 6,400 µg/kg</p> <p>PCE: 110,000 µg/kg</p> <p>Ethylbenzene: 27,000 µg/kg</p> <p>Benzene: 5,400 µg/kg</p> <p>Toluene: 45,000,000 µg/kg</p>
04/20/2012	Fullerton Site Screening Assessments	Soil Gas		5 - 15 feet bgs	8260B modified	Good (QA/QC Data available)	<p>PCE was detected in 4 of the 7 soil gas samples, concentrations ranging from 0.12 - 0.32 µg/l</p>	<p><u>California Human Health Screening Level</u></p> <p>(CHHSL) for industrial soil vapors</p> <p>TCE: 1.8ug/l</p> <p>PCE: 0.6ug/l</p>

Attachment #1

MAP AN ADDRESS: ST. HART CONTAINER AT 1901 E. ROSSLYNN AVENUE, FU Go!

5/30/2012

Attachment #2



Attachment #3



Attachment #3





Attachment #4

See Separate AMEC SOIL GAS AND SOIL MATRIX
SAMPLING SUMMARY ATTACHMENT